EUROPA's Autobuild script (used to run Nightly Builds) is run at approximately midnight each night on several canon systems here at AMES. The purpose of these builds is to ensure that changes to EUROPA which cause one of the supported build configurations to break are quickly caught and fixed.

Canon Systems

OS	OS Version	Machine Name	CPU	Memory	Avg Auto-Build Duration (Includes tests)	OS Details
Linux	Red Hat Enterprise Linux WS release 4 (Nahant Update 4)	selene.arc.nasa.gov	2 x Intel(R) Xeon(TM) CPU 3.40GHz	2048MB RAM	~1.5 hours	Linux selene.arc.nasa.gov 2.6.9-42.0.3.ELsmp #1 SMP Mon Sep 2 17:28:02 EDT 2006 i686 i686 i386 GNU/Linux
OS X	Mac OS X Version 10.4.8 (Build: 8L127)	irock.arc.nasa.gov	PowerPC G5 (2.2) 2 CPUs@2 GHz each	1536MB RAM	~2 hours	Darwin irock.arc.nasa.gov 8.8.0 Darwin Kernel Version 8.8.0: Fri Sep 8 17:18:5 PDT 2006; root:xnu-792.12.6.obj~1/RELEASE_PP Power Macintosh powerpc
Solaris	Solaris 8 10/00	guinness.arc.nasa.gov	UltraSPARC IIe (Hummingbird) 502 MHz	1532MB RAM	Currently Failing	s28s_u2wos_11b SPARC SunOS guinness.arc.nasa.gov 5.8 Generic_117350-39 sun4u sparc SUNW,Sun-Blade-100

Creating A New Autobuild

All it takes to create a new autobuild is a computer meeting the minimum requirements for EUROPA, crontab, and Perl.

This crontab will create a nightly build which runs at 12:07 AM on every day assuming a normal installation of Perl and that the path to autobuild has been appropriately set

```
7 0 * * * /usr/bin/perl /path/to/autobuild >& /path/to/autobuild.log
```

The autobuild script can be found in the root directory of PLASMA.

Limitations

- The script must be edited to change the address to which results are sent. (and the smtp host to which they are sent)
- The script must be run with access to a repository containing PLASMA.
- The script must be able to checkout PLASMA without a password